

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	724	(73/35.01,35.03-35.07,35.09-35.13).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/22 12:06
L2	1450	(73/117.2-117.3).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/22 12:06
L4	24	(1 or 2) and piezoresist\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/22 12:42
L5	179	piezoresist\$4 with (appl\$4 or attach\$3 or affix\$3 or fix\$3 or coupl\$3 or integrat\$3) with (spring or washer or beam or flexure or web)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/22 13:05
L6	57	5 same (mass or weight)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/22 12:47
L7	23	piezoresist\$4 with (appl\$4 or attach\$3 or affix\$3 or fix\$3 or coupl\$3 or integrat\$3) with (spring or washer or beam or flexure or web)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 13:35
L8	0	6 and knock\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/22 13:16
L9	4	5 and knock\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/22 13:36
L10	4	((("6986277") or ("5398540") or ("5230238") or ("4408479")).PN.	US-PGPUB; USPAT	OR	OFF	2006/06/22 13:34
L11	0	L10 and piezoresist\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/22 14:05
L12	0	L10 and (piezoresist\$4 or (amorphous near3 carbon))	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/22 13:35
L13	130	(amorphous near3 carbon) with (spring or washer or beam or flexure or web)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 13:37
L14	0	13 and knock\$4	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 13:37
L15	360	(amorphous near3 carbon) with (spring or washer or beam or flexure or web)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/22 13:37

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L16	13	15 and knock\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/22 13:37
L17	1	piezoresist\$4 with ( (spring or bevelle) near3 washer)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/22 14:13
L18	1	piezoresist\$4 with ( (spring or bevelle) near3 washer)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/22 14:14
L19	0	piezoresist\$4 with ( (spring or bevelle) near3 washer)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 14:36
L20	8	(73/35.09).CCLS.	US-PGPUB	OR	OFF	2006/06/22 14:36
S1	2	((("4448059") or ("4463610"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/06/21 13:11
S2	3081	knock\$3 near3 (sens\$3 or detect\$3 or transducer)	US-PGPUB; USPAT	OR	ON	2006/06/21 13:26
S3	174	(spring or flexure) with piezoresist\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/21 13:21
S4	4	S2 and S3	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/21 13:21
S5	516	(spring or flexure or beam) with piezoresist\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/21 13:31
S6	5	S2 and S5	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/21 13:27
S8	31829	(knock\$3 or vibrat\$3) near3 (sens\$3 or detect\$3 or transducer)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/21 16:00
S9	96	S8 and S5	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/21 13:28
S10	559517	engine	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/21 13:28
S11	20	S9 and S10	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/21 13:28
S12	33884	(knock\$3 or vibrat\$3) near3 (sens\$3 or detect\$3 or transducer)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/21 13:31
S13	120	(spring or flexure or beam) with piezoresist\$4	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/21 13:42

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S14	8	S12 and S13	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/21 13:33
S15	4	((("6986277") or ("5398540") or ("5230238") or ("4408479")).PN.	US-PGPUB; USPAT	OR	OFF	2006/06/21 13:34
S16	1	washer with piezoresist\$4	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/21 13:46
S17	4	washer with piezoresist\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/21 14:00
S18	96303	piezoresist\$4 or piezoelectric\$2 or (piezo near3 (electric or resist\$4)) near3 carbon near3 (layer or sheet or film)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/21 15:11
S19	342957	washer	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/21 14:02
S20	2650560	mass or weight	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/21 14:02
S21	11623	S18 same S20	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/21 14:03
S22	4601	S20 same S8	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/21 14:04
S23	73	S22 same S19	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/21 14:20
S24	194	S21 same S19	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/21 14:20
S27	23	(piezoresist\$4 or piezoelectric\$2 or (piezo near3 (electric or resist\$4))) with (attach\$3 or affix\$3 or connect\$3 or coupl\$3 or touch\$3 or fix\$3) with spring with washer	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/21 15:29
S28	13	(piezoresist\$4 or piezoelectric\$2 or (piezo near3 (electric or resist\$4))) with (attach\$3 or affix\$3 or connect\$3 or coupl\$3 or touch\$3 or fix\$3) with spring with washer	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/21 15:43
S31	13	(piezoresist\$4 or piezoelectric\$2 or (piezo near3 (electric or resist\$4))) with (face or surface) with (spring near3 washer)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/21 15:46

## EAST Search History

S32	7	(piezoresist\$4 or piezoelectric\$2 or (piezo near3 (electric or resist\$4))) with (face or surface) with (spring near3 washer)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/21 15:49
S33	0	(piezoresist\$4 or (piezo near3 resist\$4)) with (spring near3 washer)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/21 15:50
S34	0	(piezoresist\$4 or (piezo near3 resist\$4)) with (surface or face) with washer	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/21 15:51
S35	4	(piezoresist\$4 or (piezo near3 resist\$4)) with (surface or face) with washer	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/21 15:53
S36	6	(piezoresist\$4 or (piezo near3 resist\$4)) with washer	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/21 15:55
S37	14	(piezoresist\$4 near3 carbon)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/21 15:57
S38	5	(piezoresist\$4 near3 carbon)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/21 15:57
S39	77	S8 and (diamond near3 carbon)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/22 08:17
S40	4	((diamond near3 like near3 carbon) or (piezoresist\$4 near3 carbon)) with (spring near3 washer)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/22 08:33
S41	563	((diamond near3 like near3 carbon) or (piezoresist\$4 near3 carbon)) with (spring or tension or stress or stretch\$3 or flexure or beam or web)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/22 08:47
S42	31865	(knock\$3 or vibrat\$3) near3 (sens\$3 or detect\$3 or transducer)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/22 08:34
S43	11	S41 and S42	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/22 08:49
S44	33884	(knock\$3 or vibrat\$3) near3 (sens\$3 or detect\$3 or transducer)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 08:34
S45	173	((diamond near3 like near3 carbon) or (piezoresist\$4 near3 carbon)) with (spring or tension or stress or stretch\$3 or flexure or beam or web)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 08:35

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S46	0	S44 and S45	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 08:51
S47	922	((diamond near3 like near3 carbon) or ((piezoresist\$4 or amorphous) near3 carbon)) with (spring or tension or stress or stretch\$3 or flexure or beam or web)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/22 08:51
S48	13	S47 and S42	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/22 08:49
S49	331	((diamond near3 like near3 carbon) or ((piezoresist\$4 or amorphous) near3 carbon)) with (spring or tension or stress or stretch\$3 or flexure or beam or web)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 08:52
S50	0	S44 and S49	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 08:51
S51	8	((diamond near3 like near3 carbon) or ((piezoresist\$4 or amorphous) near3 carbon)) with (washer)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 08:56
S52	7	((diamond near3 like near3 carbon) or ((piezoresist\$4 or amorphous) near3 carbon)) with (washer)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/22 08:57
S53	43	washer with (measur\$3 or sens\$3 or detect\$3 or transducer) near3 (layer or sheet or film)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/22 09:20
S54	10	washer with (measur\$3 or sens\$3 or detect\$3 or transducer) near3 (layer or sheet or film)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 10:16
S55	15	washer with magnetostrictive	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 09:28
S56	34	washer with magnetostrictive	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/22 09:45
S57	0	washer with piezorestrictive	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/22 09:46
S58	4	washer with piezoresist\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/22 09:55
S59	1	washer with piezoresist\$4	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 09:55